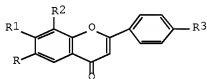
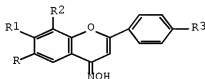


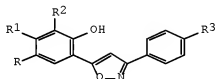
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 C-substituted 2-phenyl-4H-1-benzopyran-4-ones with
 hydroxylamine
 Basinski, Polish Journal of Chemistry (1991), 65(9-10),
 AUTHOR(S):
 1619-32
 CORPORATE SOURCE: Fac. Pharm., Sch. Med., Lodz, 90151, Pol.
 SOURCE: Polish Journal of Chemistry (1991), 65(9-10), 1619-32
 CODEN: PJCHDQ; ISSN: 0137-5083
 DOCUMENT TYPE: Journal
 LANGUAGE: English
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I

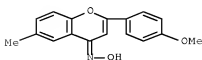


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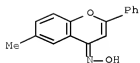


III

AB The reaction of flavones I (R, R1 = H, Me; R2 = H, Me, Br; R3 = H, MeO) with
 hydroxylamine in anhydrous pyridine was investigated. The oximes II and
 isoxazoles III were the products. It was determined that the ratio of II to
 III is dependent on the nature of substituent and its position in the flavone
 skeleton. It is postulated that the flavone is an ambient electrophile and
 that the reaction course is characteristic for this class of compds.
 IT 115663-23-5P 115663-26-8P 140885-78-5P
 140885-79-6P 140885-80-9P 140885-81-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation, acetylation, IR, NMR, and mass spectrum of)
 RN 115663-23-5 CAPLUS
 CN 4H-1-Benzopyran-4-one, 2-(4-methoxyphenyl)-6-methyl-, oxime (CA INDEX
 NAME)

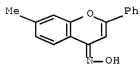


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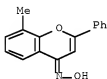
RN 140885-78-5 CAPLUS

CN 4H-1-Benzopyran-4-one, 7-methyl-2-phenyl-, oxime (CA INDEX NAME)



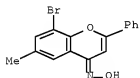
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CN 4H-1-Benzopyran-4-one, 8-methyl-2-phenyl-, oxime (CA INDEX NAME)



RN 140885-80-9 CAPLUS

CN 4H-1-Benzopyran-4-one, 8-bromo-6-methyl-2-phenyl-, oxime (CA INDEX NAME)



RN 140885-81-0 CAPLUS

CN 4H-1-Benzopyran-4-one, 8-bromo-2-(4-methoxyphenyl)-6-methyl-, oxime (CA INDEX NAME)

